

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Please cancel claims 8, 9 and 18 through 31 and amend claims 32 through 37 as follows. In this listing of the claims, material to be deleted is marked with a strikethrough (~~strikethrough~~) and material to be inserted is underlined (underlined).

1. (previously presented) An isolated DNA selected from the group consisting of:
 - (a) DNA comprising SEQ ID NO: 3;
 - (b) DNA comprising SEQ ID NO: 3, with the proviso that nucleotides 130-132 are selected from the group consisting of ACA, ATA and ATC;
 - (c) DNA comprising SEQ ID NO:3, with the proviso that nucleotides 151-153 are selected from the group consisting of GAC and GCC; and
 - (d) DNA comprising SEQ ID NO:3 with the proviso that nucleotides 130-132 are selected from the group consisting of ACA, ATA and ATC and nucleotides 151-153 are selected from the group consisting of GAC and GCC;

Claims 2 through 7 previously cancelled.

Claims 8 and 9 currently cancelled.

Claim 10 previously cancelled.

11. (previously presented) A vector comprising the DNA of claim 1.

Claims 12 through 14 previously cancelled.

15. (previously presented) A host cell comprising a vector of claim 11.

Claim 16 previously cancelled.

17. (original) A method for producing a polypeptide, the method comprising culturing a host cell of claim 15 under conditions promoting expression of the polypeptide.

Claims 18 through 31 currently cancelled.

32. (currently amended) An isolated ~~DNA~~ nucleic acid selected from the group consisting of:
 - (a) DNA encoding a polypeptide comprising SEQ ID NO:4 ~~NO:3 encompassing an allele at amino acid 44~~, wherein amino acid 44 is threonine or isoleucine;
 - (b) DNA encoding a polypeptide comprising SEQ ID NO:4 ~~NO:3 encompassing an allele at amino acid 51~~, wherein amino acid 44 51 is aspartic acid or alanine; and
 - (c) DNA encoding a polypeptide comprising SEQ ID NO:4 ~~NO:3 encompassing an allele at amino acid 51~~, wherein amino acid 44 is threonine or isoleucine and amino acid 51 is aspartic acid or alanine.
33. (currently amended) The isolated ~~DNA~~ nucleic acid of claim 32, selected from the group consisting of:
 - (a) DNA comprising SEQ ID NO: 3, wherein nucleotides 130-132 are ACA;
 - (b) DNA comprising SEQ ID NO: 3, wherein nucleotides 130-132 are ATA;
 - (c) DNA comprising SEQ ID NO: 3, wherein nucleotides 130-132 are ATC;
 - (d) DNA comprising SEQ ID NO: 3, wherein nucleotides 151-153 are GAC; and
 - (e) DNA comprising SEQ ID NO: 3, wherein nucleotides 151-153 are GCC.
34. (currently amended) An isolated oligonucleotide having at least about 17 contiguous nucleotides of SEQ ID NO:3, selected from the group consisting of:
 - (a) an oligonucleotide ~~encompassing an allele at amino acid 44~~, encoding a polypeptide of SEQ ID NO:4, wherein amino acid 44 is isoleucine;
 - (b) an oligonucleotide ~~encompassing an allele at amino acid 51~~, encoding a polypeptide of SEQ ID NO:4, wherein amino acid 51 is alanine; and ;
 - (c) an oligonucleotide ~~encompassing an allele at amino acid 44~~, encoding a polypeptide of SEQ ID NO:4, wherein amino acid 44 is isoleucine and amino acid 51 is alanine.
35. (currently amended) The isolated oligonucleotide of claim 34, selected from the group consisting of:
 - (a) an oligonucleotide ~~encompassing an allele at amino acid 44~~, having at least about 17 contiguous nucleotides of SEQ ID NO:3, wherein nucleotides 130-132 are ATA;
 - (b) an oligonucleotide ~~encompassing an allele at amino acid 44~~, having at least about 17 contiguous nucleotides of SEQ ID NO:3, wherein nucleotides 130-132 are ATC; and
 - (c) an oligonucleotide ~~encompassing an allele at amino acid 44~~, having at least about 17 contiguous nucleotides of SEQ ID NO:3, wherein nucleotides 151-153 are GCC.
36. (currently amended) An isolated ~~oligonucleotide~~ oligonucleotide having at least about 30 contiguous nucleotides of SEQ ID NO:3, ~~encompassing an allele at amino acid 44~~, encoding a

polypeptide of SEQ ID NO:4, wherein amino acid 44 is isoleucine, and further ~~encompassing an allele at amino acid 51~~, wherein amino acid 51 is alanine.

37. (currently amended) The isolated oligonucleotide of claim 36, wherein nucleotides 130-132 are ATA, and nucleotides 151-153 are GCC.
38. (previously presented) The isolated oligonucleotide of claim 36, wherein nucleotides 130-132 are ATC, and nucleotides 151-153 are GCC